

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/011330

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> H01Q13/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> H01Q13/08, H01Q1/38

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2869891 B2 (Murata Mfg. Co., Ltd.), 08 January, 1999 (08.01.99), Full text; Figs. 1 to 11 (Family: none)	1-3 5, 6
X Y	JP 2002-217638 A (Mitsubishi Electric Corp.), 02 August, 2002 (02.08.02), Full text; Figs. 1 to 12 (Family: none)	1, 3, 4 5, 6
X Y	JP 6-69717 A (Foundation for Advancement of International Science (FAIS)), 11 March, 1994 (11.03.94), Full text; Figs. 1 to 7 (Family: none)	1, 4 5, 6

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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Date of the actual completion of the international search  
18 August, 2004 (18.08.04)Date of mailing of the international search report  
31 August, 2004 (31.08.04)Name and mailing address of the ISA/  
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 5-121925 A (Toko, Inc.), 18 May, 1993 (18.05.93), Full text; Figs. 1 to 6 (Family: none)	5
Y	JP 2002-171190 A (NEC Corp.), 14 June, 2002 (14.06.02), Par. Nos. [0016], [0025]; Fig. 2 & EP 1211749 A1 & US 2002/68602 A1	6
A	JP 3-192805 A (Nippon Telegraph & Telephone Public Corp.), 22 August, 1991 (22.08.91), Full text; Figs. 1 to 5 (Family: none)	1-4
A	JP 9-307342 A (Mitsubishi Electric Corp.), 28 November, 1997 (28.11.97), Full text; Figs. 1 to 8 & US 5926136 A	1-4

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